MAHARAJA'S COLLEGE, MYSORE.

Notice dated 28th October 1938.

Applications for Admission to the University Examinations of March 1939.

It is hereby notified that the last date for the receipt of applications in the college office is Monday the 5th December 1938.

Failed students who are appearing for the examination of March 1939 must apply in writing to the Principal for application forms, mentioning the year or years in which they have already appeared and the part or parts in which they propose to appear again. Application forms can be had in the college office during working hours.

The examination fees of failed students who are appearing in private must be paid to the nearest Mysore Government Treasury to the credit of the Mysore University Funds, and the receipted chellan forwarded with the application. The fees of candidates who are outside Mysore State must be sent by postal money order.

The applications of candidates who are in arrears in respect of fees, hostel dues, or the return of library books, will not be accepted unless the arrears are cleared before the 5th December 1938.

All the columns in the application form must be carefully and completely filled in.

J. C. ROLLO,
Principal.

DEPARTMENT OF PUBLIC INSTRUCTION

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION IN MYSORE, BANGALORE.

MYSORE LOCAL EXAMINATIONS.

Notification D. No. 21-10—38-39—E_2 447—33-34, *dated 22nd September* 1938.

In continuation of Notification D. No. 7-4—E_2 38-8—33-34, dated 10th July 1934, publishing the rules and syllabuses for the examination for the Vernacular Teachers' Certificates, the syllabuses in Nature Study and Agriculture (*vide* page 29 of the V. T. C. Rules) are published hereunder for general information :—

Syllabus in Nature Study and Agriculture "for the Vernacular Training Course."

Nature study.—(One period per week).

I year—(32 Lessons).

The Sun, the Moon and the Stars. Light and how light travels ; Light dispersal ; The Rainbow—Earth ... ... 3 Lessons.

Mountains—Earth's crust ; general character of rocks ; study of the common rocks of the locality and minerals of agricultural importance ... 3 Lessons.

Tanks; Rivers, Sea.—General characteristics ; springs and wells ; seas and their influence on the climate of the region ... ... 3 Lessons

Air.—Its constituents ; properties and functions ; movements of the air ; moisture in the air ; clouds and rain ; heat and cold ; weather and climate ... 3 Lessons.

Plant Life.—Study of the following plants in their structural characters in relation to function generally, cocoanut, tamarind, paddy, cucumber, potato, cotton. 10 Lessons.

Animal Life.—Study of the earthworm ; the crab, grasshopper, cockroach, frog, pigeon and rabbit. ... ... 10 Lessons.

(As far as possible, this division should be correlated to Elementary Science and Biology of the compulsory group of subjects).

Agriculture.—(Three periods per week).

I year.—(80 Lessons).

Introduction.—Agriculture in the rural economy ; objects of the farmer ; the modern emphasis, science in Agriculture, intensive and extensive cultivation ; special crop farming ; animal husbandry ; mixed husbandry ; small and scattered holdings and their needs ... ... 5 Lessons.

Elementary Botany.—The plant in relation to soil and climate ; the parts of plant and their functions, environment and adaptation ; the seed and the seedling ; methods of vegetative propagation of plants and their uses ... 12 Lessons.

Practice.—Study of typical seeds and their germination; development of roots of some important crop plants in varying conditions of soil and moisture; observation of flowering habits and their effect on production; pruning.

Soil.—Soil in relation to rocks; soil and sub-soil; constituents of the soil; formation and agricultural classification of soils; principal types of Mysore soils and their characteristics; soil in relation to water and air-temperature and micro-organic life in soils; fertility and barrenness, improvement of soils; practice in recognition of types of soils in the locality ... 12 Lessons.

Tillage and Implements.—Effect of tillage on soil condition and fertility; local and improved ploughs; harrows; cultivators and other implements; hand tools; seed drills, sowing and transplanting; sources of gain and loss of moisture to soils; conservation of moisture; principles of dry farming; power of the Farm. 10 Lessons.

Monsoons.—Rainfall and its distributions; the different climatic tracts of Mysore; their chief agricultural features; the rainguage, agricultural calendar for Mysore ... ... 5 Lessons.

Irrigation.—Need for irrigation; right and wrong uses of water; economical use of irrigation water; sources of irrigation; methods of irrigation; simple local water lifts; the pump and power lifts ... ... 8 Lessons.

Drainage.—Need for drainage; benefits of drainage; principle methods of drainage... 4 Lessons.

Insect Enemies.—Life history of chief types of insects; crop pests and their control methods in general; study of the more injurious and common pests of crops and their control measures; recognition of pests in the field ... 14 Lessons.

Beneficial Insects.—The bee and the silk-worm; practice, rearing of silk-worm, the grasshopper and the avare bug

Farm Crops.—Study of the staple grain crops of the locality and of the common mixture crops ... ... 10 Lessons.

II year—(2 periods per week).

(60 Lessons).

Botany.—Nutrition of plants; how plants feed from the soil; how plants feed from the air; storage of food; reproduction in plants; flower; fruit and seed. 10 Lessons.

Manures.—The need for and principles of manuring; common manures. Farmyard manure and its conservation; sheep manure; sheep-folding, tanksilt, composts, green manures; artificial manures and their use; some of the common artificial fertilizers ... ... 10 Lessons.

Rotation of Crops and Conservation of Fertility.—Other uses of rotation of crops; mixture of crops; fallows; green soiling and cane crops ... 4 Lessons.

Farm Crops.—Cultivation of the important commercial field crops; perennial crops. 16 Lessons.

Plant Diseases.—Their nature and modes of infection; preventive and remedial measures of important crop diseases; fungicides; their preparation and application ... ... 10 Lessons.

Farm Animals.—The cow; the buffalo; important local breeds; improvement of cattle; milk and its products; sheep and goats; feeding of cattle; principal fodders; silo; concentrated feed; bearing of good feeding on the fertility of the farm and power of the farm; main principles of breeding, care, housing and feeding of cattle ... ... 10 Lessons.

III year—(2 periods per week).

(60 Lessons).

Farm crops.—concluded. ... ... 15 Lessons.

Farm animals.—Purpose and types of cattle; important local breeds and their characteristics; cows, buffaloes, bullocks, sheep, goats and other farm animals.

Common diseases and relative indegenous remedies; infectious diseases; preventive and remedial measures; veterinary aid ... ... 20 Lessons.

Selection and Equipment of the Farm.—Fence; roads; drains; and permanent improvements, co-operative societies and land mortgage banks, State aid to farmers; farmer's leisure and cottage industries; what the rural school and the community can do to improve local agriculture ... ... 25 Lessons.

Practical Work.

1. General cultivation of crops—(*a*) dry, (*b*) wet, and (*c*) garden and orchard. Generally the layout will be like that of the Practical Instruction Farms attached to Middle Schools.

Crops to be grown are ragi, jola, paddy, sugarcane, cotton, groundnut, green manures, lucerne, mulberry, potato, chillies, onions, according to the locality some of the perennials like plantain, areca, cocoanut and beetle-vine. A few specimens of apples, oranges, grapes, fig, pomegranate and guava.

2. Cultivation of common and important vegetables in plots allotted to individuals or groups. In the school garden, the hardier kinds of ornamental flower and foliage plants are to be grown.

3. Maintenance of an observation plot in respect of crops not grown in regular field.

4. Practice in layering, grafting and budding of plants.

5. Plant selections for multiplication of important crops—Seed testing and storage.

6. Preparation of spray mixtures and spraying of crops. Practice in recognising and checking important crop pests and diseases.

7. Occasional visits to surrounding villages to fairs, Government Farms or Experiment Stations to study rural conditions and economics.

The equipment will have to include well drained irregable land to an extent of three acres, of which half an acre will be used as dry land, the rest for irrigated crops. An irrigation well, fence, a farm-shed should be provided.

M. SULTAN MOHIYUDDIN,
Offg. Director.

GOVERNMENT HIGH SCHOOL, MALLESWARAM, BANGALORE.

Notification No. 426 *of* 38-39, *dated* 26*th October* 1938.

It is hereby notified for the information of those to whom it may concern that the certificates of eligibility for admission to the University courses granted by the Mysore University on behalf of the following students are lying unclaimed in this office. They may be claimed and taken delivery of within six months from the date of this notification, after which period the certificates will be destroyed, claims preferred thereafter not being entertained.

Claims may be made in person on any working day during the school hours and those from moffusil places should be accompanied by postal stamps sufficient to cover the registration charges to ensure safe delivery.

Serial No.	Register No. and year	Names of students
1	430 of 1937	Bhimasena, Rao Sahaib, C
2	436 do	Ghorpade, K V.
3	450 do	Krishnaswamy, T N
4	462 do	Nagaraja Rao, K R
5	464 do	Purushottama Rao, K
6	482 do	Rama Prasad, N
7	483 do	Ramaswamy, M B
8	485 do	Ranganath, B K
9	492 do	Sitaramaiya, M S
10	504 do	Srinivasa Rao, M
11	506 do	*Sumitra Bai, B*
12	515 do	Virupakshappa, T R
13	517 do	*Anasuya, M G*
14	527 do	Nanjundaiya, H V
15	532 do	Narayana Rao, N C
16	535 do	Ramanatha Rao, B
17	540 do	Srinivasa Rao, N
18	547 do	Nagarajan, V B
19	550 do	Ramanujan, R A
20	2838 do	Rajagopala Rao, H S
21	2842 do	Ramaprasad, G R

S. SUNDARA,
Head Master.